

## **SENIOR TELEMETRY CONTROLS SPECIALIST**

### **DISTINGUISHING FEATURES**

The fundamental reason the Senior Telemetry Controls Specialist position exists is to oversee the electrical maintenance and telemetry controls areas as well as assist in the design, programming and implementation of control strategies for the City of Scottsdale water pumping and treatment facilities in the Water Resources Department. This position is distinguished from the Telemetry Controls Specialist position by the level of skill required and additional responsibilities. The Telemetry Controls Specialist position may or may not supervise, but has lead worker responsibilities. This position reports to the Water Operations Supervisor.

### **ESSENTIAL FUNCTIONS**

Provides the leadership and direction for Telemetry and Electrical staff. Prioritizes and schedules all skilled telemetry and electrical work; maintains preventative maintenance schedule of electrical equipment; observes and monitors performance of telemetry and electrical staff to determine compliance with prescribed operating and OSHA safety standards.

Responsible for installation, maintenance, and repairs of high voltage electrical systems, well pump equipment, booster stations, sewer lift stations, motors, switch gear and control equipment.

Plans and operates the radio network interconnecting pumping facilities throughout the City and a voice-radio system used by water operations office and field personnel; while monitoring, adjusting and repairing equipment as necessary to maintain compliance with FCC regulations.

Plans and develops schedule of work to be performed by a team of skilled technicians, including preventative maintenance tasks, control system enhancements, new equipment installations, and emergency repairs in the city's pumping and treatment facilities.

Participates in the hiring and training of employees in the electrical maintenance and telemetry control area. Assist management with employee's performance appraisals. Approves employee time sheets and takes over supervisory duties in absence of supervisor.

Assists in the design, programming and implementation of control strategies for the city's pumping and treatment facilities using the SCADA system. Manages data and maintains accurate records of system performance; formulates reports and trains other personnel to access data.

Orders equipment and assists with purchasing; assists staff in field with installations, calibrations and troubleshooting. Completes other special projects related to these areas as requested.

Attendance and punctuality are essential functions of this position.

### **MINIMUM QUALIFICATIONS**

#### **Knowledge, Skills, and Abilities**

##### Knowledge of:

The principles, methods, materials and tools used in the electrical trade; the hazards and precautionary methods; the theory and practical applications of industrial and solid state electronic

control systems; the functions and mechanics of electrical motors, centrifugal and deep well turbine pumps and water transmission systems.

The principles and operation of the City's municipal water systems and treatment facilities.

Ability to:

Work rotating weekend shifts, holidays and a call-out schedule.

Communicate orally by telephone and two-way radio

Troubleshoot defects in electrical and electronic systems and equipment.

Establish and maintain effective working relationships with co-workers, supervisors and the general public.

Operate a variety of equipment and machinery requiring continuous or repetitive arm and hand movements.

Prioritize schedule and work tasks and complete work within specified time periods and deadlines.

Move and lift heavy objects (50 pounds or more) both short and long distances.

Walk up and down stairs, climb up and down ladders and, traverse over rough terrain.

Work in adverse conditions, including extreme hot temperatures, cold temperatures, wind, rain and a high volume of noise.

Observe, review and check the work of staff members to ensure conformance to standards.

**Education & Experience**

Any combination of training, education and experience equivalent to completion of a recognized Electrical apprenticeship and five years of experience as a journey level electrician in an industrial setting is required.

Completion of two years of college level coursework in Electronics, along with five years of experience as and electronics or instrumentation technician, is necessary.

Some experience with municipal water systems is preferred.

Must possess and maintain during this position a valid Arizona Driver's License, with no major driving citations in the last 39 months for all driving positions.

**Special Requirements:** Certification as a State Water Distribution Operator I and certification as a Wastewater Collection I Operator within one year of hire.

**FLSA Status: Non-exempt**

**HR Ordinance Status: Classified**